

For Research Use Only

UPK1A Recombinant monoclonal antibody, PBS Only

Catalog Number: 86799-1-PBS



Basic Information

Catalog Number: 86799-1-PBS	GenBank Accession Number: BC107098	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 11045	CloneNo.: 251472C10
Source: Rabbit	UNIPROT ID: O00322	
Isotype: IgG	Full Name: uroplakin 1A	
Immunogen Catalog Number: AG17356	Calculated MW: 258 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications:
WB, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Uroplakins are a group of urothelial differentiation-related membrane proteins. They are components of the asymmetric unit membrane (AUM), which forms the apical plaques of mammalian urothelium and is believed to play a role in strengthening the urothelial apical surface thus preventing the cells from rupturing during bladder distention (PMID: 8175808). Uroplakin-1a (UPK1A) belongs to the tetraspanin (TM4SF) family. UPK1A plays an important role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane.

Storage

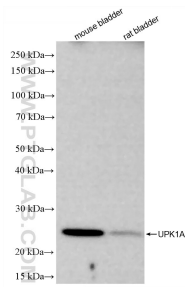
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

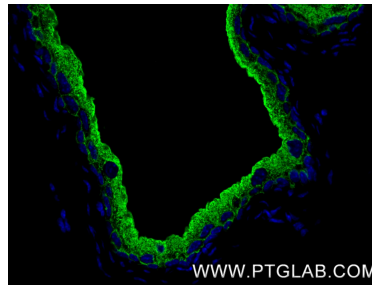
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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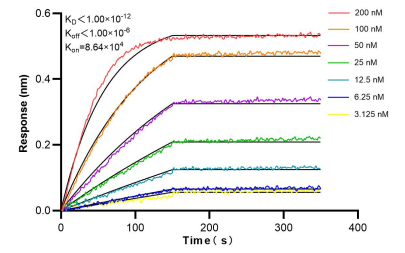
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86799-1-RR (UPK1A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86799-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse bladder tissue using UPK1A antibody (86799-1-RR, Clone: 251472C10) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86799-1-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 86799-1-RR against Human UPK1A were performed. The affinity constant is below 1 pM.